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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

| | | |
|---|---|---|
| NEWS 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS 2 | AUG 06 | CAS REGISTRY enhanced with new experimental property tags |
| NEWS 3 | AUG 06 | FSTA enhanced with new thesaurus edition |
| NEWS 4 | AUG 13 | CA/CAplus enhanced with additional kind codes for granted patents |
| NEWS 5 | AUG 20 | CA/CAplus enhanced with CAS indexing in pre-1907 records |
| NEWS 6 | AUG 27 | Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB |
| NEWS 7 | AUG 27 | USPATOLD now available on STN |
| NEWS 8 | AUG 28 | CAS REGISTRY enhanced with additional experimental spectral property data |
| NEWS 9 | SEP 07 | STN AnaVist, Version 2.0, now available with Derwent World Patents Index |
| NEWS 10 | SEP 13 | FORIS renamed to SOFIS |
| NEWS 11 | SEP 13 | INPADOCDB enhanced with monthly SDI frequency |
| NEWS 12 | SEP 17 | CA/CAplus enhanced with printed CA page images from 1967-1998 |
| NEWS 13 | SEP 17 | CAplus coverage extended to include traditional medicine patents |
| NEWS 14 | SEP 24 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements |
| NEWS 15 | OCT 02 | CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt |
| NEWS 16 | OCT 19 | BEILSTEIN updated with new compounds |
| NEWS 17 | NOV 15 | Derwent Indian patent publication number format enhanced |
| NEWS 18 | NOV 19 | WPIX enhanced with XML display format |
| NEWS 19 | NOV 30 | ICSD reloaded with enhancements |
| NEWS 20 | DEC 04 | LINPADOCDB now available on STN |
| NEWS 21 | DEC 14 | BEILSTEIN pricing structure to change |
| NEWS 22 | DEC 17 | USPATOLD added to additional database clusters |
| NEWS 23 | DEC 17 | IMSDRUGCONF removed from database clusters and STN |
| NEWS 24 | DEC 17 | DGENE now includes more than 10 million sequences |
| NEWS 25 | DEC 17 | TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment |
| NEWS 26 | DEC 17 | MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary |
| NEWS 27 | DEC 17 | CA/CAplus enhanced with new custom IPC display formats |
| NEWS 28 | DEC 17 | STN Viewer enhanced with full-text patent content from USPATOLD |
| NEWS 29 | JAN 02 | STN pricing information for 2008 now available |
| NEWS 30 | JAN 16 | CAS patent coverage enhanced to include exemplified prophetic substances |
| NEWS 31 | JAN 28 | USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats |
| NEWS 32 | JAN 28 | MARPAT searching enhanced |
| NEWS 33 | JAN 28 | USGENE now provides USPTO sequence data within 3 days of publication |
| NEWS 34 | JAN 28 | TOXCENTER enhanced with reloaded MEDLINE segment |
| NEWS 35 | JAN 28 | MEDLINE and LMEDLINE reloaded with enhancements |

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,

CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:00:50 ON 01 FEB 2008

=> file registry

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 15:01:15 ON 01 FEB 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 31 JAN 2008 HIGHEST RN 1001228-41-6
DICTIONARY FILE UPDATES: 31 JAN 2008 HIGHEST RN 1001228-41-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

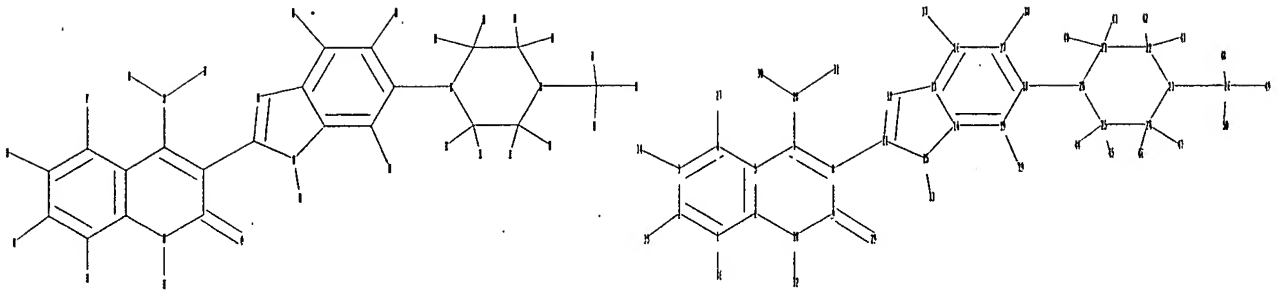
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10706328.str



chain nodes :
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46
47 48 49 50
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25
chain bonds :
1-36 2-35 3-34 4-27 7-28 8-11 9-29 10-32 15-33 16-37 17-38 18-20 19-39
21-40 21-41 22-42 22-43 23-26 24-46 24-47 25-44 25-45 26-48 26-49 26-50
28-30 28-31
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-15 12-13 13-14
13-16 14-15 14-19 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25

exact/norm bonds :
5-7 6-10 7-8 7-28 8-9 9-10 9-29 11-12 11-15 12-13 14-15 18-20 20-21
20-25 21-22 22-23 23-24 23-26 24-25
exact bonds :
1-36 2-35 3-34 4-27 8-11 10-32 15-33 16-37 17-38 19-39 21-40 21-41
22-42 22-43 24-46 24-47 25-44 25-45 26-48 26-49 26-50 28-30 28-31
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-16 14-19 16-17 17-18 18-19

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS 27:CLASS 28:CLASS
29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS
37:CLASS 38:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS
45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS 50:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

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=> s l1 exa
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SAMPLE SCREEN SEARCH COMPLETED -        7 TO ITERATE

100.0% PROCESSED         7 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            7 TO      298
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA EXA SAM L1

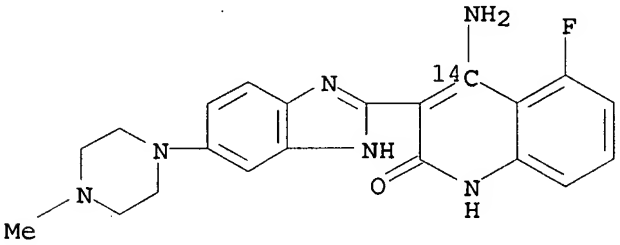
=> s l1 exa full
FULL SEARCH INITIATED 15:02:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      226 TO ITERATE

100.0% PROCESSED       226 ITERATIONS                                  2 ANSWERS
SEARCH TIME: 00.00.01

L3             2 SEA EXA FUL L1

=> d l3

L3   ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   692737-81-8  REGISTRY
ED   Entered STN:  14 Jun 2004
CN   2(1H)-Quinolinone-4-14C, 4-amino-5-fluoro-3-[5-(4-methyl-1-piperazinyl)-1H-
     benzimidazol-2-yl]- (9CI)  (CA INDEX NAME)
MF   C21 H21 F N6 O
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER
```

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                1 REFERENCES IN FILE CA (1907 TO DATE)
                1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d l3 1-2

L3   ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   692737-81-8  REGISTRY
ED   Entered STN:  14 Jun 2004
CN   2(1H)-Quinolinone-4-14C, 4-amino-5-fluoro-3-[5-(4-methyl-1-piperazinyl)-1H-
     benzimidazol-2-yl]- (9CI)  (CA INDEX NAME)
MF   C21 H21 F N6 O
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER
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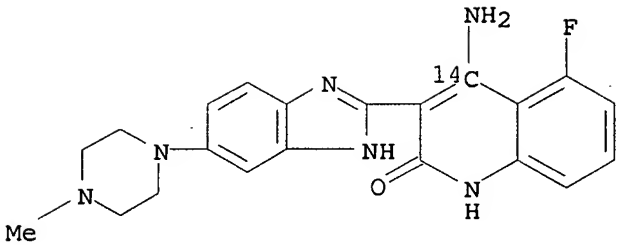
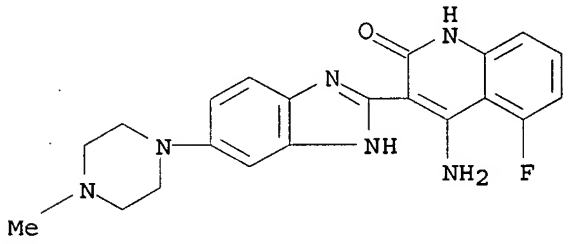


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN
RN 405169-16-6 REGISTRY
ED Entered STN: 12 Apr 2002
CN 2(1H)-Quinolinone, 4-amino-5-fluoro-3-[6-(4-methyl-1-piperazinyl)-1H-benzimidazol-2-yl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2(1H)-Quinolinone, 4-amino-5-fluoro-3-[5-(4-methyl-1-piperazinyl)-1H-benzimidazol-2-yl]- (9CI)
OTHER NAMES:
CN 4-Amino-5-fluoro-3-[5-(4-methylpiperazin-1-yl)-1H-benzimidazol-2-yl]quinolin-2(1H)-one
CN Dovitinib
DR 804551-71-1
MF C21 H21 F N6 O
CI COM
SR CA
LC STN Files: ADISINSIGHT, CA, CAPLUS, CASREACT, IMSDRUGNEWS, IMSRESEARCH, PHAR, PROUSDDR, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

20 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
20 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file medline caplus wpids uspatfull

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 66.77 | 66.98 |

FILE 'MEDLINE' ENTERED AT 15:02:32 ON 01 FEB 2008

FILE 'CAPLUS' ENTERED AT 15:02:32 ON 01 FEB 2008
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FILE 'WPIDS' ENTERED AT 15:02:32 ON 01 FEB 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION

FILE 'USPATFULL' ENTERED AT 15:02:32 ON 01 FEB 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l2
SAMPLE SEARCH INITIATED 15:02:36 FILE 'WPIDS'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED         0 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO        0
PROJECTED ANSWERS:               0 TO        0

L4            0 L2

=> s l3
SAMPLE SEARCH INITIATED 15:02:44 FILE 'WPIDS'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED         0 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO        0
PROJECTED ANSWERS:               0 TO        0

L5           41 L3

=> s l5 and (cmax or auc)
L6            2 L5 AND (CMAX OR AUC)

=> d l6 1-2 ibib, abs

L6   ANSWER 1 OF 2  USPATFULL on STN
ACCESSION NUMBER:        2005:299638  USPATFULL
TITLE:                   Inhibition of FGFR3 and treatment of multiple myeloma
INVENTOR(S):             Cai, Shaopei, Seattle, WA, UNITED STATES
                         Chou, Joyce, El Cerrito, CA, UNITED STATES
                         Harwood, Eric, Seattle, WA, UNITED STATES
                         Heise, Carla C., Benicia, CA, UNITED STATES
                         Machajewski, Timothy D., Martinez, CA, UNITED STATES
                         Ryckman, David, Bellevue, WA, UNITED STATES
                         Shang, Xiao, Bellevue, WA, UNITED STATES
                         Wiesmann, Marion, Brisbane, CA, UNITED STATES
                         Zhu, Shuguang, Shoreline, WA, UNITED STATES
PATENT ASSIGNEE(S):      Chiron Corporation (U.S. corporation)

                              NUMBER         KIND    DATE
                         ---------------- ------ --------
PATENT INFORMATION:      US 2005261307      A1   20051124
APPLICATION INFO.:       US 2004-983174     A1   20041105  (10)
RELATED APPLN. INFO.:    Continuation-in-part of Ser. No. US 2003-644055, filed
                         on 19 Aug 2003, PENDING

                               NUMBER         DATE
                         ------------------ --------
PRIORITY INFORMATION:    US 2003-517915P    20031107 (60)
                         US 2003-526426P    20031202 (60)
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| | | |
|---|---|---|
| | US 2003-526425P | 20031202 (60) |
| | US 2004-546017P | 20040219 (60) |
| | US 2002-405729P | 20020823 (60) |
| | US 2002-426107P | 20021113 (60) |
| | US 2002-426226P | 20021113 (60) |
| | US 2002-426282P | 20021113 (60) |
| | US 2002-428210P | 20021121 (60) |
| | US 2003-460328P | 20030403 (60) |
| | US 2003-460493P | 20030403 (60) |
| | US 2003-460327P | 20030403 (60) |
| | US 2003-478916P | 20030616 (60) |
| | US 2003-484048P | 20030701 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 28
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 34 Drawing Page(s)
LINE COUNT: 17221
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of inhibiting fibroblast growth factor receptor 3 and treating various conditions mediated by fibroblast growth factor receptor 3 are provided that include administering to a subject a compound of Structure I, a pharmaceutically acceptable salt thereof, a tautomer thereof, or a pharmaceutically acceptable salt of the tautomer. Compounds having the Structure I have the following structure where and have the variables described herein. Such compounds may be used to prepare medicaments for use in inhibiting fibroblast growth factor receptor 3 and for use in treating conditions mediated by fibroblast growth factor receptor 3 such as multiple myeloma. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 2 USPATFULL on STN
ACCESSION NUMBER: 2004:280895 USPATFULL
TITLE: Methods of treating cancer and related methods
INVENTOR(S): Hannah, Alison, Sebastopol, CA, UNITED STATES
Harwood, Eric, Seattle, WA, UNITED STATES
Haroldsen, Peter, Pacifica, CA, UNITED STATES
Heise, Carla, Benecia, CA, UNITED STATES
Machajewski, Timothy, Martinez, CA, UNITED STATES
Samara, Emil, Danville, CA, UNITED STATES
Shang, Xiao, Bellevue, WA, UNITED STATES
Vora, Jayesh, Martinez, CA, UNITED STATES
Zhu, Shuguang, Seattle, WA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2004220196 | A1 | 20041104 | |
| APPLICATION INFO.: | US 2003-706328 | A1 | 20031112 | (10) |

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2003-460369P | 20030403 (60) |
| | US 2003-460493P | 20030403 (60) |
| | US 2003-460328P | 20030403 (60) |
| | US 2002-426204P | 20021113 (60) |
| | US 2002-426282P | 20021113 (60) |
| | US 2002-426107P | 20021113 (60) |
| | US 2003-517915P | 20031107 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O.

Box 8097, Emeryville, CA, 94662-8097
NUMBER OF CLAIMS: 58
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 2045
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods of treating cancer using 4-amino-5-fluoro-3-[6-(4-methylpiperazin-1 -yl)-1H-benzimidazol-2-yl]quinolin-2(1H)-one are provided. In particular, the methods are effective for the treatment of solid tumors or leukemias, including prostate, colorectal, breast, multiple myeloma, pancreatic, small cell carcinoma, acute myelogenous leukemia, chronic myelogenous leukemia, or myelo-proliferative disease. Further provided are methods of measuring the amount of 4-amino-5-fluoro-3-[6-(4-methylpiperazin-1 -yl)-1H-benzimidazol-2-yl]quinolin-2(1H)-one and determining a metabolic profile therefore.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 15:00:50 ON 01 FEB 2008)

FILE 'REGISTRY' ENTERED AT 15:01:15 ON 01 FEB 2008
L1 STRUCTURE UPLOADED
L2 0 S L1 EXA
L3 2 S L1 EXA FULL

FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 15:02:32 ON 01 FEB 2008
L4 0 S L2
L5 41 S L3
L6 2 S L5 AND (CMAX OR AUC)

=> s l5 and (cancer or tumor)
L7 27 L5 AND (CANCER OR TUMOR)

=> s l7 and "tyrosine kinase"
L8 23 L7 AND "TYROSINE KINASE"

=> d l8 1-23 ibib, abs

L8 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:1225966 CAPLUS
DOCUMENT NUMBER: 146:722
TITLE: Methods for treating drug resistant cancer
INVENTOR(S): Michelson, Glenn C.; Chan, Vivien W.; Heise, Carla C.; Wiesmann, Marion; Dawes, Timothy D.
PATENT ASSIGNEE(S): Novartis AG, USA
SOURCE: PCT Int. Appl., 151pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2006124413 | A2 | 20061123 | WO 2006-US17922 | 20060510 |
| WO 2006124413 | A3 | 20070607 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,

SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

| | | | | | |
|---|---|---|---|---|---|
| AU 2006247803 | A1 | 20061123 | AU 2006-247803 | | 20060510 |
| PRIORITY APPLN. INFO.: | | | US 2005-680722P | P | 20050513 |
| | | | WO 2006-US17922 | W | 20060510 |

OTHER SOURCE(S): MARPAT 146:722

AB This invention pertains generally to methods of treating cancer. More specifically, the invention pertains to methods and 4-amino substituted quinolinone benzimidazolyl compds. such as 4-amino-5-fluoro-3-[5-(4-methylpiperazin-1-yl)-1H-benzimidazol-2-yl]quinolin-2(1H)-one compds. and pharmaceutical formulations comprising such compds. for treating drug-resistant cancer and patients with drug resistant cancer.

L8 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:763835 CAPLUS
DOCUMENT NUMBER: 145:202872
TITLE: Treatment of metastasized tumors
INVENTOR(S): Lopes De Menezes, Daniel; Heise, Carla; Xin, Xiaohua
PATENT ASSIGNEE(S): Chiron Corporation, USA
SOURCE: PCT Int. Appl., 101pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | | DATE |
|---|---|---|---|---|---|
| WO 2006081445 | A2 | 20060803 | WO 2006-US2979 | | 20060127 |
| WO 2006081445 | A3 | 20070111 | | | |
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| AU 2006208012 | A1 | 20060803 | AU 2006-208012 | | 20060127 |
| CA 2596084 | A1 | 20060803 | CA 2006-2596084 | | 20060127 |
| US 2006183750 | A1 | 20060817 | US 2006-342257 | | 20060127 |
| EP 1845990 | A2 | 20071024 | EP 2006-733986 | | 20060127 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | | |
| KR 2007118596 | A | 20071217 | KR 2007-719428 | | 20070824 |
| NO 2007004360 | A | 20071025 | NO 2007-4360 | | 20070827 |
| PRIORITY APPLN. INFO.: | | | US 2005-647568P | P | 20050127 |
| | | | US 2005-669245P | P | 20050406 |
| | | | US 2005-722053P | P | 20050929 |
| | | | WO 2006-US2979 | W | 20060127 |

OTHER SOURCE(S): MARPAT 145:202872

AB Methods of treating metastatic cancer such as metastasized tumors include administering a compound of Structure I, a tautomer of the compound, a pharmaceutically acceptable salt of the compound, a pharmaceutically acceptable salt or the tautomer, or a mixture thereof to a

subject. The compound, tautomer, salt of the compound, salt of the tautomer, or mixture thereof may be used to prepare medicaments for treating metastatic cancer. The variable A has the values defined herein.

L8 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:428803 CAPLUS
DOCUMENT NUMBER: 141:1211
TITLE: Methods of treating cancer with a methylpiperazinyl benzimidazolyl quinolinone and related methods
INVENTOR(S): Machajewski, Timothy D.; Hannah, Alison; Harwood, Eric; Haroldsen, Peter; Heise, Carla C.; Samara, Emil; Shang, Xiao; Vora, Jayesh; Zhu, Shuguang
PATENT ASSIGNEE(S): Chiron Corporation, USA
SOURCE: PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2004043389 | A2 | 20040527 | WO 2003-US35806 | 20031112 |
| WO 2004043389 | A3 | 20040805 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2501932 | A1 | 20040527 | CA 2003-2501932 | 20031112 |
| AU 2003290699 | A1 | 20040603 | AU 2003-290699 | 20031112 |
| US 2004220196 | A1 | 20041104 | US 2003-706328 | 20031112 |
| EP 1565187 | A2 | 20050824 | EP 2003-783281 | 20031112 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| BR 2003016229 | A | 20051004 | BR 2003-16229 | 20031112 |
| CN 1711088 | A | 20051221 | CN 2003-80103178 | 20031112 |
| JP 2006511616 | T | 20060406 | JP 2005-507133 | 20031112 |
| NZ 539425 | A | 20071130 | NZ 2003-539425 | 20031112 |
| MX 2005PA04754 | A | 20050802 | MX 2005-PA4754 | 20050503 |
| IN 2005KN00793 | A | 20060303 | IN 2005-KN793 | 20050503 |
| NO 2005002760 | A | 20050720 | NO 2005-2760 | 20050607 |

| PRIORITY APPLN. INFO.: | | |
|---|---|---|
| US 2002-426107P | P | 20021113 |
| US 2002-426204P | P | 20021113 |
| US 2002-426282P | P | 20021113 |
| US 2003-460328P | P | 20030403 |
| US 2003-460369P | P | 20030403 |
| US 2003-460493P | P | 20030403 |
| US 2003-517915P | P | 20031107 |
| WO 2003-US35806 | W | 20031112 |

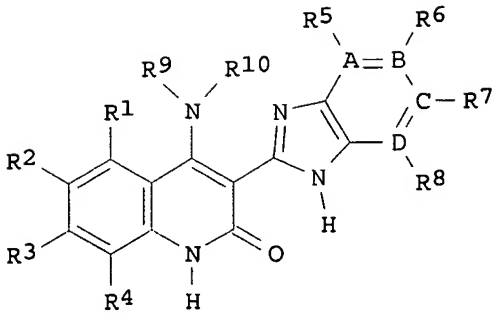
AB Methods of treating cancer using 4-amino-5-fluoro-3-[6-(4-methylpiperazin-1-yl)-1H-benzimidazol-2-yl]quinolin-2(1H)-one (I) are provided. In particular, the methods are effective for the treatment of solid tumors or leukemias, including prostate, colorectal, breast, multiple myeloma, pancreatic, small cell carcinoma, acute myelogenous leukemia, chronic myelogenous leukemia, or myelo-proliferative disease. Further provided are methods of measuring the amount of I and determining a metabolic profile therefore. The growth of both the KM12L4a and MV4;11 xenografts in mice were potently inhibited by I in vivo.

L8 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:182836 CAPLUS
DOCUMENT NUMBER: 140:235711
TITLE: Preparation of benzimidazole quinolinones for inhibiting a serine/threonine kinase
INVENTOR(S): Barsanti, Paul A.; Bussiere, Dirksen; Harrison, Stephen D.; Heise, Carla C.; Jansen, Johanna M.; Jazan, Elisa; Machajewski, Timothy D.; Mcbride, Christopher; McCrea, William R.; Ng, Simon; Ni, Zhi-Jie; Pecchi, Sabina; Pfister, Keith; Ramurthy, Savithri; Renhowe, Paul A.; Shafer, Cynthia M.; Silver, Joel B.; Wagman, Allan; Weismann, Marion
PATENT ASSIGNEE(S): Chiron Corporation, USA
SOURCE: PCT Int. Appl., 570 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

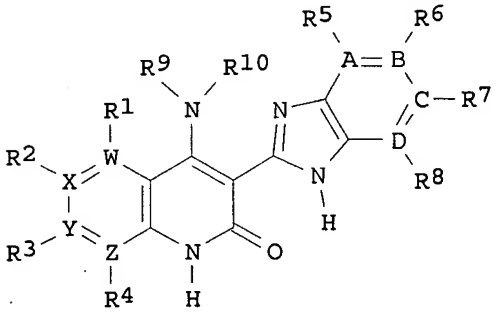
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2004018419 | A2 | 20040304 | WO 2003-US25990 | 20030819 |
| WO 2004018419 | A3 | 20040603 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2496164 | A1 | 20040304 | CA 2003-2496164 | 20030819 |
| AU 2003288899 | A1 | 20040311 | AU 2003-288899 | 20030819 |
| EP 1539754 | A2 | 20050615 | EP 2003-781286 | 20030819 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| BR 2003013743 | A | 20050705 | BR 2003-13743 | 20030819 |
| CN 1692112 | A | 20051102 | CN 2003-824565 | 20030819 |
| JP 2006503919 | T | 20060202 | JP 2005-501762 | 20030819 |
| IN 2005KN00484 | A | 20060106 | IN 2005-KN484 | 20050323 |

| PRIORITY APPLN. INFO.: | | |
|---|---|---|
| US 2002-405729P | P | 20020823 |
| US 2002-426107P | P | 20021113 |
| US 2002-426226P | P | 20021113 |
| US 2002-426282P | P | 20021113 |
| US 2002-428210P | P | 20021121 |
| US 2003-460327P | P | 20030403 |
| US 2003-460328P | P | 20030403 |
| US 2003-460493P | P | 20030403 |
| US 2003-478916P | P | 20030616 |
| US 2003-484048P | P | 20030701 |
| WO 2003-US25990 | W | 20030819 |

OTHER SOURCE(S): MARPAT 140:235711
GI



I



II

AB The title compds. [I and II; A, B, C, and D = C, N; W, X, Y and Z = C, N and at least one of W, X, Y, and Z = N; R1-R8 = H, halo, CN, NO2, etc.; R9 = H, (un)substituted alkyl, aryl, etc.; R10 = H; or NR9R10 = 5-7 membered ring], useful for inhibiting various enzymes and treating various conditions, were prepared E.g., a multi-step synthesis of 4-amino-3-(benzimidazol-2-yl)-6-(4-methylpiperazinyl)hydroquinolin-2-one, was given. The majority of the exemplary compds. I displayed an IC50 of less than 10 μM with respect to VEGFR1, VEGFR2, VEGFR3, FGFR1, CHK1, Cdc2, GSK-3, NEK-2, Cdk2, Cdk4, MEK1, NEK-2, CHK2, CK1ε, Raf, Fyn, Lck, Rsk2, PAR-1, c-Kit, c-ABL, p60src, FGFR3, FLT-3, PDGFRα, and PDGFRβ. In addition, many of the exemplary compds. exhibited IC50 values in the nM range and show potent activity with respect to VEGFR1, VEGFR2, VEGFR3, FGFR1, FGFR3, c-Kit, c-ABL, FLT-3, CHK1, Cdc2, GSK-3, NEK-2, Cdk2, MEK1, CHK2, Fyn, Lck, Rsk2, PAR-1, PDGFRα, and PDGFRβ with IC50 values of less than 1 μM.

L8 ANSWER 5 OF 23 USPATFULL on STN

ACCESSION NUMBER: 2007:83463 USPATFULL

TITLE: Use of tyrosine kinase inhibitor to treat diabetes

INVENTOR(S): Hagerkvist, Robert Per, Hoganasgatan 7B, Uppsala, SWEDEN 75330
Welsh, Nils Richard, Uppsala, SWEDEN

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2007072932 | A1 | 20070329 | |
| APPLICATION INFO.: | US 2004-556984 | A1 | 20040526 | (10) |
| | WO 2004-EP5679 | | 20040526 | |
| | | | 20060622 | PCT 371 date |

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | GB 2003-12086 | 20030527 |
| | GB 2004-2682 | 20040206 |

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: NOVARTIS, CORPORATE INTELLECTUAL PROPERTY, ONE HEALTH PLAZA 104/3, EAST HANOVER, NJ, 07936-1080, US
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1-10
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 857
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to the use of a c-Abl-, PDGF-R-, or c-kit-tyrosine kinase inhibitor, e.g. 4-(4-methylpiperazin-1-ylmethyl)-N-[4-methyl-3-(4-pyridin-3-yl)pyrimidin-2-ylamino)phenyl]-benzamide, or a pharmaceutically acceptable salt thereof for the manufacture of a medicament for the treatment of diabetes, e.g. type I diabetes, type II diabetes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2006:253838 USPATFULL
TITLE: Combinations for the treatment of cancer
INVENTOR(S): Chang, David, Calabasas, CA, UNITED STATES
PATENT ASSIGNEE(S): Amgen Inc, Thousand Oaks, CA, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2006216288 | A1 | 20060928 | |
| APPLICATION INFO.: | US 2006-386271 | A1 | 20060321 | (11) |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | US 2005-664381P | 20050322 | (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: AMGEN INC., MAIL STOP 28-2-C, ONE AMGEN CENTER DRIVE, THOUSAND OAKS, CA, 91320-1799, US
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Page(s)
LINE COUNT: 1584
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention is in the field of pharmaceutical agents and specifically relates to compounds, compositions, uses and methods for treating cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 7 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2006:215594 USPATFULL
TITLE: Treatment of metastasized tumors
INVENTOR(S): Menezes, Daniel Lopes De, Emeryville, CA, UNITED STATES
Heise, Carla, Benicia, CA, UNITED STATES
Xin, Xiaohua, Palo Alto, CA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2006183750 | A1 | 20060817 | |
| APPLICATION INFO.: | US 2006-342257 | A1 | 20060127 | (11) |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | US 2005-647568P | 20050127 | (60) |
| | US 2005-669245P | 20050406 | (60) |
| | US 2005-722053P | 20050929 | (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 8 Drawing Page(s)
LINE COUNT: 2547
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of treating metastatic cancer such as metastasized tumors include administering a compound of Structure I, a tautomer of the compound, a pharmaceutically acceptable salt of the compound, a pharmaceutically acceptable salt or the tautomer, or a mixture thereof to a subject. The compound, tautomer, salt of the compound, salt of the tautomer, or mixture thereof may be used to prepare medicaments for treating metastatic cancer. The variable A has the values defined herein. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 8 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2005:299638 USPATFULL
TITLE: Inhibition of FGFR3 and treatment of multiple myeloma
INVENTOR(S): Cai, Shaopei, Seattle, WA, UNITED STATES
Chou, Joyce, El Cerrito, CA, UNITED STATES
Harwood, Eric, Seattle, WA, UNITED STATES
Heise, Carla C., Benicia, CA, UNITED STATES
Machajewski, Timothy D., Martinez, CA, UNITED STATES
Ryckman, David, Bellevue, WA, UNITED STATES
Shang, Xiao, Bellevue, WA, UNITED STATES
Wiesmann, Marion, Brisbane, CA, UNITED STATES
Zhu, Shuguang, Shoreline, WA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2005261307 | A1 | 20051124 |
| APPLICATION INFO.: | US 2004-983174 | A1 | 20041105 (10) |

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2003-644055, filed on 19 Aug 2003, PENDING

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2003-517915P | 20031107 (60) |
| | US 2003-526426P | 20031202 (60) |
| | US 2003-526425P | 20031202 (60) |
| | US 2004-546017P | 20040219 (60) |
| | US 2002-405729P | 20020823 (60) |
| | US 2002-426107P | 20021113 (60) |
| | US 2002-426226P | 20021113 (60) |
| | US 2002-426282P | 20021113 (60) |
| | US 2002-428210P | 20021121 (60) |
| | US 2003-460328P | 20030403 (60) |
| | US 2003-460493P | 20030403 (60) |
| | US 2003-460327P | 20030403 (60) |
| | US 2003-478916P | 20030616 (60) |
| | US 2003-484048P | 20030701 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 28
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 34 Drawing Page(s)
LINE COUNT: 17221

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of inhibiting fibroblast growth factor receptor 3 and treating various conditions mediated by fibroblast growth factor receptor 3 are provided that include administering to a subject a compound of Structure I, a pharmaceutically acceptable salt thereof, a tautomer thereof, or a pharmaceutically acceptable salt of the tautomer. Compounds having the Structure I have the following structure where and have the variables described herein. Such compounds may be used to prepare medicaments for use in inhibiting fibroblast growth factor receptor 3 and for use in treating conditions mediated by fibroblast growth factor receptor 3 such as multiple myeloma. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 9 OF 23 USPATFULL on STN

ACCESSION NUMBER: 2005:293608 USPATFULL

TITLE: Combination therapy with CHK1 inhibitors

INVENTOR(S): Gesner, Thomas G., Kensington, CA, UNITED STATES
Barsanti, Paul A., Pleasant Hill, CA, UNITED STATES
Harrison, Stephen D., Albany, CA, UNITED STATES
Ni, Zhi-Jie, Fremont, CA, UNITED STATES
Brammeier, Nathan M., Walnut Creek, CA, UNITED STATES
Zhou, Yasheen, Moraga, CA, UNITED STATES
Le, Vincent P., San Francisco, CA, UNITED STATES

PATENT ASSIGNEE(S): CHIRON CORPORATION (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2005256157 | A1 | 20051117 |
| APPLICATION INFO.: | US 2005-41191 | A1 | 20050121 (11) |

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2003-644055, filed on 19 Aug 2003, PENDING

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2004-538984P | 20040123 (60) |
| | US 2002-405729P | 20020823 (60) |
| | US 2002-426282P | 20021113 (60) |
| | US 2002-426107P | 20021113 (60) |
| | US 2002-426226P | 20021113 (60) |
| | US 2002-428210P | 20021121 (60) |
| | US 2003-460493P | 20030403 (60) |
| | US 2003-460328P | 20030403 (60) |
| | US 2003-460327P | 20030403 (60) |
| | US 2003-478916P | 20030616 (60) |
| | US 2003-484048P | 20030701 (60) |

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US

NUMBER OF CLAIMS: 32

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 28 Drawing Page(s)

LINE COUNT: 16679

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of Structure I, and salts, tautomers, stereoisomers, and mixtures thereof may be used in methods of inhibiting checkpoint kinase 1 in subjects, in methods for inducing cell cycle progression, and in methods for increasing apoptosis in cells. Such compounds may be used to prepare pharmaceutical compositions and may be used in conjunction with DNA damaging agents. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 23 USPATFULL on STN

ACCESSION NUMBER: 2005:275261 USPATFULL
TITLE: Modulation of inflammatory and metastatic processes
INVENTOR(S): Heise, Carla, Benicia, CA, UNITED STATES
Lee, Sang H., Waltham, MA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2005239825 | A1 | 20051027 |
| APPLICATION INFO.: | US 2005-61386 | A1 | 20050218 (11) |

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2004-546395P | 20040220 (60) |
| | US 2004-547103P | 20040223 (60) |
| | US 2004-554771P | 20040319 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Page(s)
LINE COUNT: 5172
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods of using compounds having Structure I or the salts or tautomers of the compounds in the treatment of disorders relating to cell adhesion and metastatic processes are presented herein. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2005:241451 USPATFULL
TITLE: Quinolinone derivatives
INVENTOR(S): Renhowe, Paul A., Danville, CA, UNITED STATES
Shafer, Cynthia M., Moraga, CA, UNITED STATES
Machajewski, Timothy D., Martinez, CA, UNITED STATES
Pecchi, Sabina, Oakland, CA, UNITED STATES
McBride, Christopher, Oakland, CA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2005209456 | A1 | 20050922 |
| APPLICATION INFO.: | US 2005-92137 | A1 | 20050329 (11) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2004-886950, filed on 8 Jul 2004, PENDING Continuation of Ser. No. US 2002-284017, filed on 30 Oct 2002, GRANTED, Pat. No. US 6774237 Continuation of Ser. No. US 2001-951265, filed on 11 Sep 2001, GRANTED, Pat. No. US 6605617 | | |

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2000-232159P | 20000911 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 5434
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for synthesizing a 4-amino substituted quinolinone includes reacting a substituted or unsubstituted 2-benzimidazolyl-2-acetate with a substituted or unsubstituted 2-aminobenzonitrile in the presence of a

base or an acid. A 4-amino substituted quinolinone compound is formed by the reaction, and the 4-amino substituted quinolinone compound comprises a benzimidazole group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 12 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2005:241242 USPATFULL
TITLE: Pharmaceutically acceptable salts of quinolinone compounds having improved pharmaceutical properties
INVENTOR(S): Cai, Shaopei, Seattle, WA, UNITED STATES
Chou, Joyce, El Cerrito, CA, UNITED STATES
Harwood, Eric, Seattle, WA, UNITED STATES
Machajewski, Timothy, Martinez, CA, UNITED STATES
Ryckman, David, Bellevue, WA, UNITED STATES
Shang, Xiao, Bellevue, WA, UNITED STATES
Zhu, Shuguang, Shoreline, WA, UNITED STATES
Okhamafe, Augustus O., Concord, CA, UNITED STATES
Tesconi, Marc S., Monroe, NY, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2005209247 | A1 | 20050922 |
| APPLICATION INFO.: | US 2004-982543 | A1 | 20041105 (10) |

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2003-517915P | 20031107 (60) |
| | US 2003-526425P | 20031202 (60) |
| | US 2003-526426P | 20031202 (60) |
| | US 2004-546017P | 20040219 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 45
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 7116
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A lacate salt of a compound of Formula I or a tautomer of the compound, wherein Formula I has the following structure and R.sup.1-R.sup.9 and R.sup.12-R.sup.14 are as defined herein ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 13 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2005:234162 USPATFULL
TITLE: Benzimidazole quinolinones and uses thereof
INVENTOR(S): Barsanti, Paul A., Pleasant Hill, CA, UNITED STATES
Bussiere, Dirksen, San Leandro, CA, UNITED STATES
Harrison, Stephen D., Albany, CA, UNITED STATES
Heise, Carla C., Benicia, CA, UNITED STATES
Jansen, Johanna M., San Francisco, CA, UNITED STATES
Jazan, Elisa, Berkeley, CA, UNITED STATES
Machajewski, Timothy D., Martinez, CA, UNITED STATES
McBride, Christopher, Oakland, CA, UNITED STATES
McCrea, William R. JR., Berkeley, CA, UNITED STATES
Ng, Simon, Walnut Creek, CA, UNITED STATES
Ni, Zhi-Jie, Fremont, CA, UNITED STATES
Pecchi, Sabina, Oakland, CA, UNITED STATES
Pfister, Keith B., San Ramon, CA, UNITED STATES
Ramurthy, Savithri, Walnut Creek, CA, UNITED STATES
Renhowe, Paul A., Danville, CA, UNITED STATES

Shafer, Cynthia M., El Sobrante, CA, UNITED STATES
Silver, Joel B., Santa Cruz, CA, UNITED STATES
Wagman, Allan S., Belmont, CA, UNITED STATES
Wiesmann, Marion, Brisbane, CA, UNITED STATES
Wayman, Kelly, San Rafael, CA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2005203101 | A1 | 20050915 |
| APPLICATION INFO.: | US 2004-839793 | A1 | 20040505 (10) |

RELATED APPLN. INFO.: Continuation of Ser. No. US 2003-644055, filed on 19 Aug 2003, PENDING

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2002-405729P | 20020823 (60) |
| | US 2002-426107P | 20021113 (60) |
| | US 2002-426226P | 20021113 (60) |
| | US 2002-426282P | 20021113 (60) |
| | US 2002-428210P | 20021121 (60) |
| | US 2003-460328P | 20030403 (60) |
| | US 2003-460493P | 20030403 (60) |
| | US 2003-460327P | 20030403 (60) |
| | US 2003-478916P | 20030616 (60) |
| | US 2003-484048P | 20030701 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 14 Drawing Page(s)
LINE COUNT: 14866
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods of treating cancer include contacting a cancer cell with 4-amino-5-fluoro-3-(5-piperazin-1-yl-1H-benzimidazol-2-yl)quinolin-2(1H)-one, 4-amino-5-fluoro-3-[5-(4-methyl-4-oxidopiperazin-1-yl)-1H-benzimidazol-2-yl]quinolin-2(1H)-one, tautomers thereof, pharmaceutically acceptable salts thereof, pharmaceutically acceptable salts of the tautomers thereof, or a mixture thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 14 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2005:159189 USPATFULL
TITLE: Methods for synthesizing quinolinone compounds
INVENTOR(S): Cai, Shaopei, Seattle, WA, UNITED STATES
Chou, Joyce, El Cerrito, CA, UNITED STATES
Harwood, Eric, Seattle, WA, UNITED STATES
Machajewski, Timothy, Martinez, CA, UNITED STATES
Ryckman, David, Bellevue, WA, UNITED STATES
Shang, Xiao, Bellevue, WA, UNITED STATES
Zhu, Shuguang, Shoreline, WA, UNITED STATES
Okhamafe, Augustus O., Concord, CA, UNITED STATES
Tesconi, Marc S., Monroe, NY, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2005137399 | A1 | 20050623 |
| APPLICATION INFO.: | US 2004-982757 | A1 | 20041105 (10) |

| | NUMBER | DATE |
|---|---|---|

PRIORITY INFORMATION: US 2003-517915P 20031107 (60)
US 2003-526425P 20031202 (60)
US 2003-526426P 20031202 (60)
US 2004-546017P 20040219 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097, US
NUMBER OF CLAIMS: 71
EXEMPLARY CLAIM: 1
LINE COUNT: 2006
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method of synthesizing a substituted or unsubstituted 4-amino-3-benzimidazolyl quinolinone compound includes reacting a first compound having the formula I with a second compound having the formula II in a suitable solvent in the presence of a sodium or potassium salt of a base. The first compound and the second compound have the following structures where the variables have the values described herein: ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 15 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2005:63630 USPATFULL
TITLE: Quinolinone derivatives
INVENTOR(S): Renhowe, Paul A., Danville, CA, UNITED STATES
Pecchi, Sabina, Oakland, CA, UNITED STATES
Machajewski, Timothy D., Martinez, CA, UNITED STATES
Shafer, Cynthia M., El Sobrante, CA, UNITED STATES
Taylor, Clarke, Albany, CA, UNITED STATES
McCrea, William R., Berkeley, CA, UNITED STATES
McBride, Christopher, Oakland, CA, UNITED STATES
Jazan, Elisa, Richmond, CA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2005054672 | A1 | 20050310 |
| APPLICATION INFO.: | US 2004-886950 | A1 | 20040708 (10) |

RELATED APPLN. INFO.: Continuation of Ser. No. US 2002-284017, filed on 30 Oct 2002, GRANTED, Pat. No. US 6774237 Continuation of Ser. No. US 2001-951265, filed on 11 Sep 2001, GRANTED, Pat. No. US 6605617

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2000-232159P | 20000911 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Young J. Suh, Chiron Corporation, P.O. Box 8097, Emeryville, CA, 94662
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
LINE COUNT: 5757
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Organic compounds having the formula I are provided where the variables have the values described herein. ##STR1##

Pharmaceutical formulations include the organic compounds or pharmaceutically acceptable salts thereof and a pharmaceutically acceptable carrier and may be prepared by mixing the organic compounds or pharmaceutically acceptable salts of the organic compounds with a carrier and water. A method of treating a patient includes administering a pharmaceutical formulation according to the invention to a patient in need thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 16 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2005:44347 USPATFULL
TITLE: Fluoro substituted omega-carboxyaryl diphenyl urea for the treatment and prevention of diseases and conditions
INVENTOR(S): Boyer, Stephen, Hilden, GERMANY, FEDERAL REPUBLIC OF
Dumas, Jacques, Bethany, CT, UNITED STATES
Riedl, Bernd, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Wilhelm, Scott, Orange, CT, UNITED STATES

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2005038080 | A1 | 20050217 | |
| APPLICATION INFO.: | US 2004-895985 | A1 | 20040722 | (10) |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | US 2003-489102P | 20030723 | (60) |
| | US 2004-540326P | 20040202 | (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MILLEN, WHITE, ZELANO & BRANIGAN, P.C., 2200 CLARENDON BLVD., SUITE 1400, ARLINGTON, VA, 22201
NUMBER OF CLAIMS: 54
EXEMPLARY CLAIM: 1
LINE COUNT: 2492
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A compound of Formula (I): ##STR1##

salts thereof, prodrugs thereof, metabolites thereof, pharmaceutical compositions containing such a compound, and use of such compound and compositions to treat diseases mediated by raf, VEGFR, PDGFR, p38 and flt-3.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 17 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2004:280895 USPATFULL
TITLE: Methods of treating cancer and related methods
INVENTOR(S): Hannah, Alison, Sebastopol, CA, UNITED STATES
Harwood, Eric, Seattle, WA, UNITED STATES
Haroldsen, Peter, Pacifica, CA, UNITED STATES
Heise, Carla, Benecia, CA, UNITED STATES
Machajewski, Timothy, Martinez, CA, UNITED STATES
Samara, Emil, Danville, CA, UNITED STATES
Shang, Xiao, Bellevue, WA, UNITED STATES
Vora, Jayesh, Martinez, CA, UNITED STATES
Zhu, Shuguang, Seattle, WA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2004220196 | A1 | 20041104 | |
| APPLICATION INFO.: | US 2003-706328 | A1 | 20031112 | (10) |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | US 2003-460369P | 20030403 | (60) |
| | US 2003-460493P | 20030403 | (60) |
| | US 2003-460328P | 20030403 | (60) |
| | US 2002-426204P | 20021113 | (60) |
| | US 2002-426282P | 20021113 | (60) |

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|---|---|
| | US 2002-426107P 20021113 (60) |
| | US 2003-517915P 20031107 (60) |
| DOCUMENT TYPE: | Utility |
| FILE SEGMENT: | APPLICATION |
| LEGAL REPRESENTATIVE: | Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097 |
| NUMBER OF CLAIMS: | 58 |
| EXEMPLARY CLAIM: | 1 |
| NUMBER OF DRAWINGS: | 2 Drawing Page(s) |
| LINE COUNT: | 2045 |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of treating cancer using 4-amino-5-fluoro-3-[6-(4-methylpiperazin-1 -yl)-1H-benzimidazol-2-yl]quinolin-2(1H)-one are provided. In particular, the methods are effective for the treatment of solid tumors or leukemias, including prostate, colorectal, breast, multiple myeloma, pancreatic, small cell carcinoma, acute myelogenous leukemia, chronic myelogenous leukemia, or myelo-proliferative disease. Further provided are methods of measuring the amount of 4-amino-5-fluoro-3-[6-(4-methylpiperazin-1 -yl)-1H-benzimidazol-2-yl]quinolin-2(1H)-one and determining a metabolic profile therefore.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 18 OF 23 USPATFULL on STN

| | |
|---|---|
| ACCESSION NUMBER: | 2004:127561 USPATFULL |
| TITLE: | Quinolinone derivatives |
| INVENTOR(S): | Renhowe, Paul A., Danville, CA, UNITED STATES<br>Pecchi, Sabina, Oakland, CA, UNITED STATES<br>Machajewski, Timothy D., Martinez, CA, UNITED STATES<br>Shafer, Cynthia M., El Sobrante, CA, UNITED STATES<br>Taylor, Clarke, Ann Arbor, MI, UNITED STATES<br>McCrea, William R., JR., Berkeley, CA, UNITED STATES<br>McBride, Christopher, Oakland, CA, UNITED STATES<br>Jazan, Elisa, Richmond, CA, UNITED STATES |

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2004097545 | A1 | 20040520 |
| | US 6800760 | B2 | 20041005 |
| APPLICATION INFO.: | US 2003-613411 | A1 | 20030703 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2001-951265, filed on 11 Sep 2001, GRANTED, Pat. No. US 6605617 | | |

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2000-232159P | 20000911 (60) |

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|---|---|
| DOCUMENT TYPE: | Utility |
| FILE SEGMENT: | APPLICATION |
| LEGAL REPRESENTATIVE: | Chiron Corporation, Intellectual Property, P.O. Box 8097, Emeryville, CA, 94662-8097 |
| NUMBER OF CLAIMS: | 37 |
| EXEMPLARY CLAIM: | 1 |
| LINE COUNT: | 6582 |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Organic compounds having the formulas I and II are provided where the variables have the values described herein. ##STR1##

Pharmaceutical formulations include the organic compounds or pharmaceutically acceptable salts thereof and a pharmaceutically acceptable carrier and may be prepared by mixing the organic compounds or pharmaceutically acceptable salts of the organic compounds with a carrier and water. A method of treating a patient includes administering a pharmaceutical formulation according to the invention to a patient in need thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 19 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2004:121119 USPATFULL
TITLE: Benzimidazole quinolinones and uses thereof
INVENTOR(S): Barsanti, Paul A., Walnut Creek, CA, UNITED STATES
Bussiere, Dirksen, San Leandro, CA, UNITED STATES
Harrison, Stephen D., Albany, CA, UNITED STATES
Heise, Carla C., Benicia, CA, UNITED STATES
Jansen, Johanna M., San Francisco, CA, UNITED STATES
Jazan, Elisa, Richmond, CA, UNITED STATES
Michajewski, Timothy D., Martinez, CA, UNITED STATES
McBride, Christopher, Oakland, CA, UNITED STATES
McCrea, William R., JR., Berkeley, CA, UNITED STATES
Ng, Simon, Walnut Creek, CA, UNITED STATES
Ni, Zhi-Jie, Fremont, CA, UNITED STATES
Pecchi, Sabina, Oakland, CA, UNITED STATES
Pfister, Keith B., San Ramon, CA, UNITED STATES
Ramurthy, Savithri, Walnut Creek, CA, UNITED STATES
Renhowe, Paul A., Danville, CA, UNITED STATES
Shafer, Cynthia M., El Sobrante, CA, UNITED STATES
Silver, Joel B., Concord, NH, UNITED STATES
Wagman, Allan S., Belmont, CA, UNITED STATES
Wiesmann, Marion, Brisbane, CA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2004092535 | A1 | 20040513 | |
| APPLICATION INFO.: | US 2003-644055 | A1 | 20030819 | (10) |

| | NUMBER | DATE | |
|---|---|---|---|
| PRIORITY INFORMATION: | US 2002-405729P | 20020823 | (60) |
| | US 2002-426107P | 20021113 | (60) |
| | US 2002-426226P | 20021113 | (60) |
| | US 2002-426282P | 20021113 | (60) |
| | US 2002-428210P | 20021121 | (60) |
| | US 2003-460328P | 20030403 | (60) |
| | US 2003-460493P | 20030403 | (60) |
| | US 2003-460327P | 20030403 | (60) |
| | US 2003-478916P | 20030616 | (60) |
| | US 2003-484048P | 20030701 | (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA, 94662-8097
NUMBER OF CLAIMS: 68
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 14 Drawing Page(s)
LINE COUNT: 18050
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods of inhibiting various enzymes and treating various conditions are provided that include administering to a subject a compound of Structure I or IB, a pharmaceutically acceptable salt thereof, a tautomer thereof, or a pharmaceutically acceptable salt of the tautomer. Compounds having the Structure I and IB have the following structures and have the variables described herein. Such compounds may be used to prepare medicaments for use in inhibiting various enzymes and for use in treating conditions mediated by such enzymes. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 20 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2004:7861 USPATFULL

TITLE: Quinolinone derivatives
INVENTOR(S): Renhowe, Paul A., Danville, CA, UNITED STATES
Pecchi, Sabina, Oakland, CA, UNITED STATES
Machajewski, Timothy D., Martinez, CA, UNITED STATES
Shafer, Cynthia M., El Sobrante, CA, UNITED STATES
Taylor, Clarke, Ann Arbor, MI, UNITED STATES
McCrea, William R., JR., Berkeley, CA, UNITED STATES
McBride, Christopher, Oakland, CA, UNITED STATES
Jazan, Eliza, Richmond, CA, UNITED STATES
PATENT ASSIGNEE(S): CHIRON CORPORATION (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2004006101 | A1 | 20040108 |
| | US 6762194 | B2 | 20040713 |
| APPLICATION INFO.: | US 2003-387355 | A1 | 20030312 (10) |

RELATED APPLN. INFO.: Continuation of Ser. No. US 2002-284017, filed on 30 Oct 2002, PENDING Continuation of Ser. No. US 2001-951265, filed on 11 Sep 2001, GRANTED, Pat. No. US 6605617

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2000-232159P | 20000911 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Steven W. Collier, Chiron Corporation, P.O. Box 8097, Emeryville, CA, 94662
NUMBER OF CLAIMS: 42
EXEMPLARY CLAIM: 1
LINE COUNT: 5740
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Organic compounds having the formulas I and II are provided where the variables have the values described herein. ##STR1##

Pharmaceutical formulations include the organic compounds or pharmaceutically acceptable salts thereof and a pharmaceutically acceptable carrier and may be prepared by mixing the organic compounds or pharmaceutically acceptable salts of the organic compounds with a carrier and water. A method of treating a patient includes administering a pharmaceutical formulation according to the invention to a patient in need thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 21 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2003:226411 USPATFULL
TITLE: Quinolinone derivatives
INVENTOR(S): Renhowe, Paul A., Danville, CA, UNITED STATES
Pecchi, Sabina, Oakland, CA, UNITED STATES
Machajewski, Timothy D., Martinez, CA, UNITED STATES
Shafer, Cynthia M., El Sobrante, CA, UNITED STATES
Taylor, Clarke, Ann Arbor, MI, UNITED STATES
McCrea Jr, William R., Berkeley, CA, UNITED STATES
McBride, Christopher, Oakland, CA, UNITED STATES
Jazan, Elisa, Richmond, CA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2003158224 | A1 | 20030821 |
| | US 6774237 | B2 | 20040810 |
| APPLICATION INFO.: | US 2002-284017 | A1 | 20021030 (10) |

RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-951265, filed on 11 Sep 2001, PENDING

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2000-232159P | 20000911 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Steven W. Collier, Chiron Corporation, P.O. Box 8097, Emeryville, CA, 94662
NUMBER OF CLAIMS: 43
EXEMPLARY CLAIM: 1
LINE COUNT: 5881
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Organic compounds having the formulas I and II are provided where the variables have the values described herein. ##STR1##

Pharmaceutical formulations include the organic compounds or pharmaceutically acceptable salts thereof and a pharmaceutically acceptable carrier and may be prepared by mixing the organic compounds or pharmaceutically acceptable salts of the organic compounds with a carrier and water. A method of treating a patient includes administering a pharmaceutical formulation according to the invention to a patient in need thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 22 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2003:38371 USPATFULL
TITLE: Quinolinone derivatives
INVENTOR(S): Renhowe, Paul A., Danville, CA, UNITED STATES
Pecchi, Sabina, Oakland, CA, UNITED STATES
Machajewski, Timothy D, Martinez, CA, UNITED STATES
Shafer, Cynthia M., El Sobrante, CA, UNITED STATES
Taylor, Clarke, Ann Arbor, MI, UNITED STATES
McCrea, William R., JR., Berkeley, CA, UNITED STATES
McBride, Christopher, Oakland, CA, UNITED STATES
Jazan, Elisa, Richmond, CA, UNITED STATES
PATENT ASSIGNEE(S): Chiron Coporation (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 2003028018 | A1 | 20030206 |
| APPLICATION INFO.: | US 2002-116117 | A1 | 20020405 (10) |

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-951265, filed on 11 Sep 2001, PENDING

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2000-232159P | 20000911 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Chiron Corporation, Intellectual Property Law Dept., PO Box 8097, Emeryville, CA, 94662
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
LINE COUNT: 6573
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Organic compounds having the formulas I and II are provided where the variables have the values described herein. ##STR1##

Pharmaceutical formulations include the organic compounds or pharmaceutically acceptable salts thereof and a pharmaceutically acceptable carrier and may be prepared by mixing the organic compounds or pharmaceutically acceptable salts of the organic compounds with a carrier and water. A method of treating a patient includes administering a pharmaceutical formulation according to the invention to a patient in

need thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 23 OF 23 USPATFULL on STN
ACCESSION NUMBER: 2002:199281 USPATFULL
TITLE: Quinolinone derivatives
INVENTOR(S): Renhowe, Paul A., Danville, CA, UNITED STATES
Pecchi, Sabina, Oakland, CA, UNITED STATES
Machajewski, Timothy D., Martinez, CA, UNITED STATES
Shafer, Cynthia M., El Sobrante, CA, UNITED STATES
Taylor, Clarke, Ann Arbor, MI, UNITED STATES
McCrea, William R., JR., Berkeley, CA, UNITED STATES
McBride, Christopher, Oakland, CA, UNITED STATES
Jazan, Elisa, Richmond, CA, UNITED STATES

| | NUMBER | KIND | DATE | |
|---|---|---|---|---|
| PATENT INFORMATION: | US 2002107392 | A1 | 20020808 | |
| | US 6605617 | B2 | 20030812 | |
| APPLICATION INFO.: | US 2001-951265 | A1 | 20010911 | (9) |

| | NUMBER | DATE |
|---|---|---|
| PRIORITY INFORMATION: | US 2000-232159P | 20000911 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: David Lentini, CHIRON CORPORATION, 4560 Horton Street, Emeryville, CA, 94608-2916
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
LINE COUNT: 6588
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Organic compounds having the formulas I and II are provided where the variables have the values described herein. ##STR1##

Pharmaceutical formulations include the organic compounds or pharmaceutically acceptable salts thereof and a pharmaceutically acceptable carrier and may be prepared by mixing the organic compounds or pharmaceutically acceptable salts of the organic compounds with a carrier and water. A method of treating a patient includes administering a pharmaceutical formulation according to the invention to a patient in need thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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FILE 'REGISTRY' ENTERED AT 15:01:15 ON 01 FEB 2008
L1 STRUCTURE UPLOADED
L2 0 S L1 EXA
L3 2 S L1 EXA FULL

FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 15:02:32 ON 01 FEB 2008
L4 0 S L2
L5 41 S L3
L6 2 S L5 AND (CMAX OR AUC)
L7 27 S L5 AND (CANCER OR TUMOR)
L8 23 S L7 AND "TYROSINE KINASE"

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---Logging off of STN---

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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 92.93 | 159.91 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| CA SUBSCRIBER PRICE | -3.20 | -3.20 |

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